

SCIF moves to Y-12; ceremony marks opening of modernized information facility

The construction is complete, the ribbon has been cut, and Y-12 is operating its new Sensitive Compartmented Information Facility (SCIF).

This unique joint user facility—the newest and largest Department of Energy contractor SCIF in the eastern United States—will help both the Y-12 National Security Complex and Oak Ridge National Laboratory support vital national security programs.

For 25 years, the facility had been located at East Tennessee Technology Park, but its move to Y-12 was precipitated by the decommissioning of the site and by the increase in work for DOE, the Federal Bureau of Investigation, the Department of Defense and other government agencies. The SCIF represents one of the areas where Y-12 and ORNL have become partners to effectively address security threats facing our nation.

“The SCIF is another exciting project under Y-12’s Modernization plan, providing capability and service to the nation with the flexibility to respond to the most secure needs,” said Cindy Hayes, Y-12 director of Modernization.

The facility received accreditation and became operational in June. With approximately 6,800 square feet, the new SCIF is more than three times larger than the previous facility and offers room for expansion.



Harvey Gray, (left) Oak Ridge National Laboratory; Tom Ryder, DOE Headquarters; John Mitchell, president and general manager of BWXT Y-12; and Bill Brumley, Y-12 Site Office manager, cut the ribbon marking the ceremonial opening of the facility.

Construction work began in September 2001 and was completed in May 2002, cost \$2.7 million and was provided by multiple DOE departments. The SCIF’s opening was the culmination of more than four years of work and dedication by professionals from DOE, BWXT Y-12 and Wackenhut Services, Inc. – Oak Ridge.

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A swingin’ good time

The Y-12 Employees’ Society ended the first season of its softball league with a tournament. To find out who won the YES tournament, see page 7.



Oak Ridge team recognized for partnership with Republic of South Africa

A 70-person team of technical and nuclear nonproliferation experts from the Department of Energy, Y-12 National Security Complex, Oak Ridge National Laboratory, Bechtel Jacobs and Canberra Industries was commended recently for success in assisting the Republic of South Africa in meeting international commitments.

The project, known as the IQ3 Relocation Project, involved furnishing essential measurement instrumentation to the South African Nuclear Energy Corporation to enable the company to complete the inventory of nuclear legacy materials at a key nuclear complex.

The IQ3 instrument weighs approximately 25 tons and is used to measure the enrichment and quantity of uranium contained inside sealed storage drums. South Africa has more than 20,000 waste drums containing residual highly enriched uranium stored at the site. However, the necessary measurement instruments were not readily available.

The International Atomic Energy Agency asked the United States to assist with the inventory process. Through work

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Facilities upgrades reduce potential beryllium exposure

Equipment upgrades that will reduce the potential for worker exposure to beryllium oxide have been completed at Y-12.

Ventilation upgrades in two facilities increased the airflow in beryllium work areas and replaced degraded systems with state-of-the-art equipment.

The increased airflow provides more exhaust in work areas, uniform velocity across openings and better airflow patterns to remove beryllium oxide dust from workers' breathing zones.

"We are pleased with the new system and reduced potential for employee exposure," said Glenn Northcutt, manager for Building 9202.

Bag-in/bag-out filter housings were provided that greatly reduce the potential exposure for filter crews during testing and change-out.

The upgrades allow for more reliance on engineered controls to protect workers.

"These upgrades were the right thing to do for workers and the Y-12 Complex," said Rob Hughes, manager for Building 9204-4.

The Technology Development Laboratory change-house modifications were required to establish clean-side/dirty-side separation. Both the men's and women's change houses were reconfigured with walk-through showers that established the boundary between the buffer area and the clean area.

In addition, the project provided a larger air lock to allow more flexibility in moving people and equipment in and out of the lab.

All three of these upgrade projects were completed on time and under budget.

Additional upgrades in other existing facilities are planned in the near future. A new Beryllium Manufacturing Facility to replace existing powder operations, machining and inspection operations is in the conceptual design phase. The new facility will rely heavily on engineered barriers to protect workers.



A crane lifts new HEPA housing to the top of Building 9202.

Y-12 receives approval to design new storage facility

BWXT Y-12 has received approval from the National Nuclear Security Administration to begin design of a new uranium storage facility.

The new storage facility will provide a long-term safe, secure storage capability for the United States' national security and highly enriched uranium reserves. The facility, known as the Highly Enriched Uranium Materials Facility, will be located in what is now a parking lot at Y-12.

The decision from NNSA means that Y-12 can begin steps to award architectural and engineering (A-E) contracts for the project. A traditional design-bid-build process will be used.

The majority of the design work will be performed by the A-E

contractor. Other specialized design work will be performed by BWXT Y-12 engineers.

Final design for the facility is expected to be complete in fiscal year 2004 with construction to begin in fiscal year 2005. Construction will take approximately three years. Estimated cost of the facility is between \$200 and \$250 million.

As part of the process to obtain approval for design, BWXT Y-12 has completed a complex series of studies and analyses, including project and acquisition execution, environmental safety and health, security and quality plans and conceptual design, preliminary hazards analysis, and risk analysis reports.

South Africa *continued from page 1*

with the National Nuclear Security Administration, the Oak Ridge Center for International Threat Reduction canvassed the DOE/NNSA complex and located a suitable measurement instrument at Y-12.

"When we located the machine, the real task had just begun. We had to return the instrument to operation because it hadn't been used since 1998. Then we had to test it, disassemble it and ship it to South Africa," said Bert Rollen, Y-12 lead project coordinator.

The instrument was transported by ocean cargo vessel and railroad and arrived at the Pelindaba, South Africa, site in March 2002. It was reassembled and tested by a team of Canberra, Y-12 and ORNL experts in April. In June, the instrument underwent final calibration and officially was turned over to the South Africans.

"By providing this measurement instrumentation, Oak Ridge has enabled the Republic of South Africa to complete their commitment to the IAEA and provide a complete declaration of nuclear materials stored at the site. This partnership with South Africa once again shows how our nuclear nonproliferation programs in Oak Ridge are essential to the safety of the entire world," Mike Whitaker, NNSA international safeguards manager, said.

Steve Black, NNSA associate assistant deputy administrator for arms control and nonproliferation, met with members of the team to express the appreciation of the department for their work in completing what he called a "significant nonproliferation project."



(From left to right) Phil Robinson, DOE Headquarters; Robin White, ORCITR; Bob Newman, U.S. State Department; Mike Whitaker, ORCITR; Steve Black, NNSA Headquarters; and David Wall of the Y-12 Site Office chat during a ceremony recognizing the Oak Ridge team for their support in assisting the Republic of South Africa to meet international nonproliferation commitments.

New hires meet critical needs

Some new employees have joined the Y-12 National Security Complex since November 1, 2000. Many of these new hires are the result of Y-12's enhanced recruiting efforts to maintain and expand the critical technical skills needed to operate Y-12 in the future. To support Y-12 missions, these new hires have much to learn from the experienced Y-12 work force and things to share, as well.

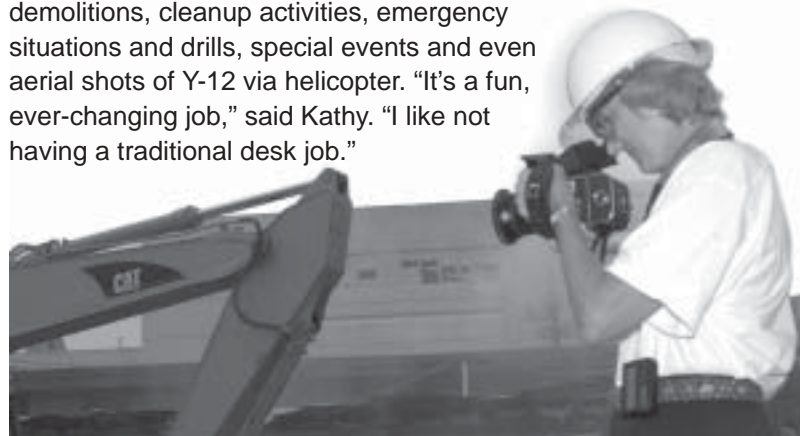
More than 80 new hires are recent engineering and science graduates moving into those critical mission areas. More than 200 experienced personnel also have been hired to support those areas.

Y-12 also has revitalized its cooperative education and summer intern programs. Twenty co-op students were hired this fiscal year, and more than 35 interns spent their summer at Y-12. Both of these initiatives serve as feeder programs for Y-12's long-range engineering and science hiring.

"This is a really exciting time at Y-12. Our recruitment and hiring activities, along with our employee development initiatives, clearly support the revitalization of our work force in support of our long-term future," said Susan Alexander, Y-12 staffing manager.

Employee's work in focus

For most people, taking photos is a leisure activity. For Kathy Fahey of Communications Services, it can be a "down-and-dirty" job. Kathy, the Oak Ridge Reservation's first female photographer, often finds herself wading through mucky water or climbing over ductwork to document Y-12 activities. As one of four full-time photographers at Y-12, Kathy and her colleagues photograph building demolitions, cleanup activities, emergency situations and drills, special events and even aerial shots of Y-12 via helicopter. "It's a fun, ever-changing job," said Kathy. "I like not having a traditional desk job."



Tennessee Labor-Management conference makes a difference for Y-12

More than 50 employees from all across the Y-12 Complex headed for Nashville recently for the 15th annual Tennessee Labor-Management conference. The conference, which attracts more than 400 people representing labor, management and government, is designed to bring members of management and labor together in a relaxed setting to build relationships and prepare the way for more productive work interactions.

The conference combined professional and social events ranging from workshops on grievance mediation and worker compensation to a golf tournament and luau.

"This is an ideal location to help build rapport between labor and management," said Garry Whitley, chief steward of electricians.

In addition to the setting, participants especially seemed impressed with the caliber of the speakers at this year's event.

"We were privileged to hear from one of the country's foremost economic prognosticators," said Labor Relations manager Larry Pierce, referring to economist Donald Rataczak, who has appeared on CNN, ABC, CNBC and National Public Radio, as an expert on economic forecasting.

Thomas Buffenbarger, General President of the International Association of Machinists and Aerospace Workers, a 760,000-member union, representing the nation's aerospace workers and airline employees was the keynote speaker.

Andrea Zava, manager of Product Certification, was appreciative of some of the more hands-on opportunities available to attendees. "Some of the breakout sessions have been very beneficial. I just got out of a team-building workshop that really helped you see things from the other party's perspective. That's the kind of thing that will make a difference when we carry it back with us to Y-12," she said.

DOE public tour welcomes students



Students in Pam McBroom's 8th-grade history class from Heavenly Host Lutheran School in Cookeville kicked off a new school year by participating in the Department of Energy's public tour of Oak Ridge facilities. The students were studying Oak Ridge and its contribution to World War II's Manhattan Project.

The tour, which departs from the American Museum of Science and Energy Tuesday through Friday of each week, will continue through September. The tour route includes the Y-12 National Security Complex, Oak Ridge National Laboratory and East Tennessee Technology Park.

Additions to this year's tour include drives through the Robertsville Community, Oak Ridge Associated Universities, a visit to the Friendship Bell and AMSE's Victory Garden. More than 1,500 visitors from 41 states have participated in the tour thus far this year.

At left, Sarah Evans, William Fuentes, Pam McBroom, Brittany Dorris, Whitney Wells, Corey Bowman, Shane Hankins and David Dunn talk with Jim Alexander, DOE public tour host. More information about the tour is available by calling 241-3421.



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We have great things in store, but the only way you'll find out what we have planned is to come to the Oak Ridge Mall Wednesday, September 18, between 7 a.m. and 5 p.m. and see for yourself. It's a day of learning, fun and entertainment with your co-workers, family and friends! Don't miss it! —**Linda Caldwell and Jackie Williams, 2002 Safety Expo Co-Chairs**



The theme of this year's Safety Expo is 'The Power of One—Making a Difference.' One person can make the difference between a safe day and a day when someone was placed at risk.

With more than 5,000 visitors to last year's Safety Expo, I expect that this year's event will be even bigger. I hope to see you there. —**John Mitchell**



As we approach the second annual Safety Expo, we all should be encouraged by the caring and thoughtful people who help Y-12 become an increasingly safer and healthier place to work.

I encourage you all to attend the Safety Expo, get recharged about safety and make a difference. —**Craig Ferguson, Industrial Safety Manager**

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Attendance at the Expo meets the requirement of one quarterly safety meeting. Don't forget to register!



"The Expo helped to raise the public's awareness of Y-12 in a very positive way, as well as being informative to the employees." —**Traci Inman**

Do you have what it takes to play Safety Jeopardy?

See if you can play the Y-12 version of the popular TV quiz show by answering questions about safety at work and at home. Teams are being formed across Y-12, including NNSA. Each team will be made up of four to six people and will compete against four other teams during each round of the competition. A "tournament of champions" will be held to determine who will be the Safety Jeopardy champion team. Contact your organization director if you want to be a team member or come to the Safety Expo and cheer on your co-workers.

For the latest Safety Expo information, check the Y-12 Safety Expo Web site at <http://www.y12.doe.gov/esh/expo2002/>.



<http://www.y12.doe.gov/esh/expo2002/>

Safety Expo 2002 – Making a difference



Venable's vernacular

Come see and hear Sam Venable, humor columnist for the Knoxville News-Sentinel, give his offbeat take on life. Venable has won more than two dozen writing awards and is the author of eight books, including A Handful of Thumbs and Two Left Feet and I'd Rather Be Ugly Than Stupid. If you like his regular column in the Knoxville News-Sentinel, wait until you meet him in person!



Charging time while at Safety Expo

Y-12 contractors may have differing policies for attending the Safety Expo during working hours. For BWXT Y-12 employees, the following guidelines apply. Subcontractor employees should contact procurement representatives for approval to attend.

Managers and supervisors are encouraged to allow for schedule flexibility where appropriate so their staff may benefit from this event. Time spent attending the Safety Expo should be charged to the employee's Organizational Resource and Support Safety Activities work breakdown structure element. For employees who charge their time to an overhead task, time at the Safety Expo should be charged to the safety burden code in APlus.

If you have questions about charging practices, contact your organization's financial analyst or Sandy Babb at 576-6560.

Freebies at portals

Safety Expo committee members will be stationed at each portal Tuesday, September 10, to hand out Safety Expo 2002 buttons and scratch-off tickets to all personnel entering Y-12. The scratch-off cards enable the holder to win a prize, which can be collected when registering at the Safety Expo Wednesday, September 18.

Shuttle schedule

Buses will run every 30 minutes beginning at 7 a.m. and concluding at 5 p.m. Pickup and delivery will be from the East and Central Portals to the Oak Ridge Mall.

For the convenience of employees, the shuttle service will run the entire day.



"I really enjoyed it. I learned things that help me put safety first on the job." —Joe Longmire



"There were so many people ... I have been here 20 years and never seen anything quite like it." —Bill Reis



"I really enjoyed the Self-Defense Course. It included useful information that every woman needs to know." —Kathy Davis



"The various exhibits from Y-12 organizations helped me to get a better view of the work Y-12 does." —Jason Bullock



"I especially enjoyed the Safety Wheel. It was informative and a lot of fun." —Barbara Fleenor

Wiley, Dooley receive McDermott Scholarships

Robert Wiley of Oak Ridge and Brent Dooley of Kingston, the sons of two Y-12 employees, are the recipients of the 2002 McDermott Scholarships. McDermott International is one of BWXT Y-12's two parent companies.

Robert is the son of Steve Wiley and Bobbi Stout of Oak Ridge and a 2002 graduate of Oak Ridge High School. He plans to attend the University of Virginia in Charlottesville, where he will major in international relations and French. He also is a National Achievement Scholar. Steve Wiley works in the legal department at Y-12.

At Oak Ridge High, Robert was a member of the National Honor Society, the Student Council and the Art and French clubs. "I appreciate being chosen by McDermott for their scholarship program," said Wiley. "Their generous gift will enable me to attend college."

Brent Dooley, whose accomplishments were highlighted in the August issue of the *TYmes* as a Bechtel Citizen Scholar, plans to major in math at Vanderbilt. He is the son of Joe and Betty Dooley of Kingston. Joe Dooley works with the proliferation and threat assessment organization at Y-12.

"I am grateful to McDermott for this scholarship," said Dooley. "Because college is so expensive these days, I think it is wonderful that companies like McDermott are willing to help students like me."

Presentation of the scholarships was made by James (Buddy) Conner, Y-12's deputy general manager for operations, and Greg Baker, deputy general manager for programs.

The scholarships are part of McDermott International's Aid-to-Education Program, which provides financial assistance to colleges, universities and outstanding individual students. Selection for the scholarships is based on several factors, including scholastic achievements, chosen course of academic study as well as extracurricular activities.



Greg Baker, deputy general manager for programs (far left) and Buddy Conner, deputy general manager for operations, (far right) present college-bound Robert Wiley and Brent Dooley with coveted McDermott Scholarships.

National Management Association holds awards ceremony, announces officers

The Oak Ridge Reservation chapter of the National Management Association recently held its awards ceremony and announced this year's officers. New officers installed by National Director Mary Anne

Koltowich include President Mike Shepherd of BWXT Y-12, Vice President Sabine Collins of Bechtel Jacobs, Secretary Mary Benton of BWXT Y-12 and Treasurer Connie Malarkey of BWXT Y-12. Susan Beckham, outgoing president, presented the chapter's annual awards to outstanding management individuals selected through a nomination and committee review process.



Susan Beckham, outgoing president of the Oak Ridge chapter of NMA presented the Distinguished Service Award to Sandra Plant, BWXT Y-12 director of Public Relations.

Winners of the NMA awards included:

- Chapter Service Award—David Hugus, BWXT Y-12.
- Scholarship Award—Mark T. Elmore, Oak Ridge National Laboratory.
- New Manager of the Year Award—Budhendra Bhaduri, Oak Ridge National Laboratory.
- Administrative Professional of the Year Award—Kathy F. Rosenbalm, Oak Ridge National Laboratory.
- Distinguished Service Award—Sandra W. Plant, BWXT Y-12.

The chapter originally was established by and for employees of Y-12, ORNL and K-25. However, membership has since been opened to subcontractor employees at those sites. The chapter invites and encourages new members. Contact any member or officer for membership information or meeting reservations or check the Web address at <http://www.y12.doe.gov/NMA/nmahome.htm>.

How will you manage?

NMA is sponsoring a training opportunity for members and nonmembers entitled "Taking Charge: Managing Careers in a Changing Workplace." The course will review the impact today's rapidly changing work environment is having on employees. The four two-hour sessions will be held 5:30 to 7:30 p.m. October 1, 8, 15 and 29 at 1099 Commerce Park. The sessions will address recognition of the inevitability of change, the need for positive response to change and the need to plan the next steps in one's career in the midst of change.

Rockin' and a rollin' on the river

With names like Calahan's Ledge, Let's Make a Deal and Slam Dunk, the rapids on the Ocoee River may seem fearsome. But our stalwart Y-12 crew was ready to take on the challenge during a recent Y-12 Employees' Society-sponsored whitewater rafting trip.

"It was exciting and fun!" said Peggy Campbell of the Assembly Technical Support organization. Peggy, a veteran rafter of the Ocoee, coordinated the trip.

A group of 21 Y-12 employees and family members paddled the dam-controlled waters of the Ocoee, which flows through a gorge in the Cherokee National Forest. The group chose to go for gold by tackling the upper stretch of the Ocoee, which was the site for the 1996 Olympic whitewater slalom events. The two-hour run included primarily Class III and IV rapids with a couple of Class V rapids.

Roy Shearin of the Piping Engineering organization brought his two children and brother. Out for the extreme thrill, Roy said, "We went down Humongous, a Class V rapid, backwards—on purpose! But we didn't flip the raft." Roy quickly noted that his guide okayed their hydraulic shenanigans.

"It was a hoot," said Nancy Marsicek, whose husband Matt also went along for the ride. Both of the Manufacturing directorate, Nancy and Matt enjoyed mingling with fellow Y-12 employees. "It was fun to do something as a company—to get together with our co-workers and their families for some adventure," said Nancy.

YES promises more adventures are on the way, including more rafting trips. "We plan to make rafting an annual event, if not semianual, depending on the interest," said Peggy. Sounds like a rollickin' good



Getting doused was part of the fun for Y-12 employees and their families on the YES-sponsored whitewater rafting trip on the Ocoee River. Front row (back to front): Steve Essex, Adventures Unlimited guide; Susie Henderson; Natasha Barth and Rick Wilson. Back row (back to front): Don Johanson; Cooper Barth and Mark Barth. *Photo courtesy of Adventures Unlimited.*

The bus is leaving

Reserve your seat now for the bus trip to Harrah's Cherokee Casino Saturday, October 19. The cost is \$25 for members and \$35 for nonmembers. Harrah's will provide a \$10 play token to each participant. To register, contact Kathie Fink (kze; 574-7733), Brenda Jones (bj2; 574-3402) or Jan Mincey (m5i; 574-1935).

YES also is exploring interest in bowling and volleyball leagues. Call Pete McKenzie (574-3624) to volunteer to organize or participate in these fall and winter sports.



Tourney winners take trophy

The Stonefingers team from Oak Ridge National Laboratory won the Y-12 Employees' Society regular season championship with a record of 7-2 and then went on to capture the tournament trophy with a 3-0 record, knocking out Y-12's Critical Mess in the final game.

Left, Stonefingers' captain Ted Kaplan accepts the tournament trophy from Pete McKenzie, sports coordinator for YES. Team members are, back row, left to right, Greg Hinkel, Dave Mandrus, Peter Khalifah, Brian Sales, Ray Zuhr; middle row, Lexi Pierce, Joanne Ramey, Lenora McBee, Pam Fleming, Lynn Smalley; kneeling, Tony Haynes, John Pierce, Fred Bullock, John Budai.

Czech shepherds part of Y-12's canine security force

Rin-Tin-Tin has nothing on Kitchy and Fax.

The two are among the five shepherd dogs that have been patrolling Y-12's posts for the past year. The dogs are trained in explosives detection, and Y-12 employees often may see them sniffing around, and sometimes inside, vehicles that are entering the Complex.

Although similar in appearance to German shepherds, these five were born and trained in the Czech Republic. K-9 Search on Site, or K-9 SOS, owns the shepherds and works with them at Y-12.

"We go overseas for the dogs because of the work ethic instilled in them there," said Michael Hartmann, assistant trainer and operations manager at

Y-12 with K-9 SOS. "Breeding dogs there is very serious—it's not a pastime. They breed for specific characteristics that we look for.

"The Czech Republic is known for its working dogs," he said. "They don't train them and then keep them in the backyard. They're taught to use their noses."

Besides 3-year-old Kitchy and 2-year-old Fax—both males—the other Czech shepherds are Karo, 2; Darren, 2; and Jesse, 3, the only female. After arriving in the United States, the dogs spent about nine weeks with K-9 SOS trainers and handlers before going on patrol. They generally work a 40-hour week, but they're rotated so that no one dog works too long.

The shepherds are trained to search for odors associated with explosives.

"You imprint an odor on a dog," Hartmann said. "You have to be sure the dog understands the odor. In the beginning, we praise the dog by rewarding him with a ball when he finds the odor. Later, the ball comes out of the equation. They're trained to hunt because they like to. You have to allow the dogs to enjoy the hunt. When they enjoy it, our job is easier."

These dogs "speak" Czech, which requires that their trainers and handlers know certain words from the Czech language.



Kitchy inspects packages in a truck as handler Shane Trew watches.

BWX TYmes

P. O. Box 2009
Oak Ridge, TN 37831-8245

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Permit #36
Powell, TN

Volume 2, No. 15
September 2002

Published by Communications Partners
(Public Relations and Communications Services)

Melissa Leinart
editor, 865-574-1621 (6ml)

Contributors to this issue:

Ellen Boatner	Kathryn King-Jones
Alice Brandon	Betty Martin
Kathy Fahey	Tommy Maxwell
Matt Guilford	Jane Miller
Stuart Hames	Bret Pate
Mark Haskew	Heidi Spurling
Vicki Hinkel	Bill Wilburn

Bldg. 9109, MS 8245
Oak Ridge, Tennessee 37831